Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 209-301-E28

Retinoid X Receptor gamma Antibody

Overview

Description:	Anti-Retinoid X Receptor gamma (MOUSE) Monoclonal Antibody - 209-301-E28
Item No.:	209-301-E28
Size:	100 µL
Applications:	WB
Reactivity:	Human, Rat
Host Species:	Mouse

Product Details

Background:	Retinoic acid (RA; active metabolite of vitamin A) plays a prominent role in regulating the transition of proliferating precursor cells (such as carcinoma cells and neuronal precursors) to postmitotic differentiated cells. The Retinoid X Receptors (RXRs) family (RXRα, β and γ) preferentially bind 9-cis-RA and regulate gene transcription by forming heterodimers with a second family of RA receptors. RAs have been suggested to potentially play a therapeutic role in cervical cancer. RAs are known to play key roles in neuronal development and an increasing body of evidence indicates that retinoid signaling may regulate synaptic plasticity and associated learning and memory behaviors.
Synonyms:	mouse anti-Retinoid X Receptor gamma Antibody, mouse anti-RXRG antibody, Nuclear receptor subfamily 2 group B member 3, Retinoid X receptor gamma
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	1373
Format:	IgG1

Target Details

Gene Name:	RXRG
Reactivity:	Human, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Retinoic Acid Receptor gamma was produced by repeated immunizations with a synthetic peptide corresponding to amino acid residues from the hinged region of RAR-γ.
Purity/Specificity:	Anti-Retinoic Acid Receptor gamma antibody detects Retinoic Acid Receptor gamma. Retinoic Acid Receptor gamma antibody was Protein G purified from cell culture supernatant. This antibody is directed against human retinoic acid receptor gamma protein. Reactivity is expected from the following species based on 100% sequence homology: bovine, mouse, non-human primate and rat. Cross reactivity to other sources has not been tested.
Relevant Links:	• UniProtKB - P48443 • GeneID - 6258 • UniProtKB - P48443.1

Application Details

Tested Applications:	WB
Application Note:	Anti-Retinoid X Receptor gamma antibody is tested for use in Western Blotting to detect a single band at approximately 48 kDa corresponding to the RXR-γ isotype in the appropriate cell lysate or extract. Researchers should determine optimal titers for applications that are not stated below.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1:1000

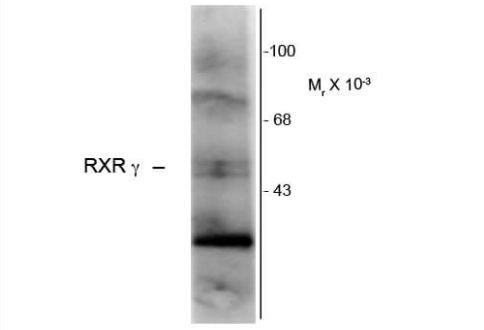
Formulation

Physical State:	Liquid
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western blot of hippocampal lysate showing specific immunolabeling of the ~48k RXR-γ protein.

Western Blot

Western Blot of Mouse anti-Retinoid X Receptor gamma antibody. Lane 1: hippocampal lysate. Lane 2: none. Load: 10 µg per lane. Primary antibody: Retinoid X Receptor gamma antibody at 1:1,000 for overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 48 kDa for Retinoid X Receptor gamma. Other band(s): Retinoid X Receptor gamma splice variants and isoforms.

Disclaimer